

CLAIMS:

1. Method of providing a read-only record carrier on which user data can be recorded at predetermined recordable positions of subcode frames of a subcode channel after mastering of said record carrier, comprising the steps of:
 - setting the subcode symbols at said predetermined recordable positions to a first predetermined symbol value during mastering,
 - calculating for each subcode frame error detection data over certain subcode data of said subcode frame including said subcode symbols set to said first predetermined symbol value,
 - storing said error detection data at auxiliary data positions in said subcode frame, and
 - setting error detection data positions in said subcode frame to a second predetermined symbol value,said predetermined recordable positions of said subcode frames being provided for recording of user data to it during writing of data and said error detection data positions of said subcode frames being provided for recording correct error detection data calculated after recording said user data to said predetermined recordable positions to it.
2. Method according to claim 1, wherein said first and said second predetermined symbol value is bit value 1.
3. Method as claimed in claim 1, wherein said user data comprise a unique identifier uniquely identifying said record carrier after recording said unique identifier at said predetermined recordable positions of said subcode frames.
4. Method as claimed in claim 1, wherein said subcode frames are part of a subcode Q-channel, particularly of an optical recording system for read-only optical discs.
5. Method as claimed in claim 4, wherein said subcode frames comprise a synchronization field, a control field, an address field, a user data field, an auxiliary data field

and an error detection data field of which at least said user data field and said error detection data field are recordable after mastering.

6. Method as claimed in claim 4, wherein subcode bytes comprising a subcode symbol from each subcode channel are set to byte value 0x47 during mastering so that for recording user data at said predetermined recordable positions said subcode bytes can be set to 0x07 by writing a mark at a predetermined location in said subcode byte.

7. Method of writing user data on a read-only record carrier at predetermined recordable positions of subcode frames of a subcode channel, wherein during mastering the subcode symbols at said predetermined recordable positions are set to a first predetermined symbol value, for each subcode frame error detection data are calculated over certain subcode data of said subcode frame including said subcode symbols set to said first predetermined symbol value, said error detection data are stored at auxiliary data positions in said subcode frame, and error detection data positions in said subcode frame are set to a second predetermined symbol value, comprising the steps of:

- recording of user data to said predetermined recordable positions of said subcode frames during writing of data, and
- recording of correct error detection data calculated after recording said user data to said error detection data positions of said subcode frames.

8. Apparatus for providing a read-only record carrier on which user data can be recorded at predetermined recordable positions of subcode frames of a subcode channel after mastering of said record carrier, comprising:

- means for setting the subcode symbols at said predetermined recordable positions to a first predetermined symbol value during mastering,
- means for calculating for each subcode frame error detection data over certain subcode data of said subcode frame including said subcode symbols set to said first predetermined symbol value,
- means for storing said error detection data at auxiliary data positions in said subcode frame, and
- means for setting error detection data positions in said subcode frame to a second predetermined symbol value,

said predetermined recordable positions of said subcode frames being provided for recording of user data to it during writing of data and said error detection data positions of said subcode frames being provided for recording correct error detection data calculated after recording said user data to said predetermined recordable positions to it.

9. Apparatus for writing user data on a read-only record carrier at predetermined recordable positions of subcode frames of a subcode channel, wherein during mastering the subcode symbols at said predetermined recordable positions are set to a first predetermined symbol value, for each subcode frame error detection data are calculated over certain subcode data of said subcode frame including said subcode symbols set to said first predetermined symbol value, said error detection data are stored at auxiliary data positions in said subcode frame, and error detection data positions in said subcode frame are set to a second predetermined symbol value, comprising:

- means for recording of user data to said predetermined recordable positions of said subcode frames during writing of data, and
- means for recording of correct error detection data calculated after recording said user data to said error detection data positions of said subcode frames.

10. Record carrier mastered according to a method as claimed in claim 1 on which user data can be recorded at predetermined recordable positions of subcode frames of a subcode channel after mastering of said record carrier, wherein:

- the subcode symbols at said predetermined recordable positions are set to a first predetermined symbol value,
- error detection data calculated for each subcode frame over certain subcode data of said subcode frame including said subcode symbols set to said first predetermined symbol value are stored at auxiliary data positions in said subcode frame, and
- error detection data positions in said subcode frame are set to a second predetermined symbol value,

said predetermined recordable positions of said subcode frames being provided for recording of user data to it during writing of data and said error detection data positions of said subcode frames being provided for recording correct error detection data calculated after recording said user data to said predetermined recordable positions to it.

11. Computer program for implementing a method as claimed in claim 1 or 7

comprising program code means for causing a computer to carry out the steps of said method when said method is run on a computer.